

ABSTRACT OF THE DISCLOSURE

A system in a Voice Over Internet Protocol (VOIP) network eliminates false voice detection in voice band data service (e.g., modem or facsimile transmission) by 5 sequentially enabling silence detection then voice detection. In Voice Band Data (VBD) mode, the system initially enables silence detection and disables voice detection. If silence is detected in a VOIP signal associated with a VOIP call, the system enables 10 voice detection. If voice is detected, the system switches from VBD mode to voice mode and enables processing (e.g., echo cancellation and/or data compression) that improves voice communications.